Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Original) An electronics-carrying module in a seismic data acquisition cable including:

an electronics carrier having access means for providing an easy-to-reach access to a wrap-around circuitry fitted inside a curved space within said electronics carrier;

a pair of rigid end-fittings spaced apart axially by said electronics carrier for connecting to a section of said seismic data acquisition cable;

an axial hole formed in said electronics carrier and said rigid end-fittings defining said curved space between said axial hole, said access means and said rigid end-fittings, said axial hole is formed for accommodating a cable with an uninterrupted strength member along said seismic data acquisition cable through said electronics-carrying module; and

an inner tube enclosing a major portion of said axial hole and having at least one opening thereon for connecting said wrap-around circuitry to said cable for both power and signal transmission.

- 2. (Original) The electronics-carrying module in accordance with Claim 1, wherein said access means comprises:
- a first fractional fluid-resistant tube fixed between said pair of rigid end-fittings; and
- a second fractional fluid-resistant tube joined to said first fractional fluid-resistant tube by sealing means so as to form said curved space between said inner tube and said access means.

- 3. (Original) The electronics-carrying module in accordance with Claim 2, wherein said second fractional fluid-resistant tube can be detached from said first fractional fluid-resistant tube by removing said sealing means.
- 4. (Original) The electronics-carrying module in accordance with Claim 3, wherein said first fractional fluid-resistant tube is larger in volume than said second fractional fluid-resistant tube.
- 5. (Original) The electronics-carrying module in accordance with Claim 3, wherein said first fractional fluid-resistant tube is smaller in volume than said second fractional fluid-resistant tube.
- 6. (Original) The electronics-carrying module in accordance with Claim 3, wherein said first fractional fluid-resistant tube is equal in volume to said second fractional fluid-resistant tube.
- 7. (Original) The electronics-carrying module in accordance with Claim 3, wherein said sealing means comprise an elastomer ring such as rubber ring.
- 8. (Original) The electronics-carrying module in accordance with Claim 3, wherein said sealing means comprise a waterproof sealant.

- 9. (Previously Amended) The electronics-carrying module in accordance with Claim 7, wherein said sealing means further comprise a plurality of securing means selected from the group consisting of screw, clip, band, magnet, suction and adhesive material.
- 10. (Original) The electronics-carrying module in accordance with Claim 1, wherein said access means is a movable open-ended cylinder having a diameter slightly larger than said section of said seismic data acquisition cable so that said movable open-ended cylinder can slide away from said inner tube to expose said wrap-around circuitry, said movable open-ended cylinder is attached to said pair of rigid end-fittings by means of sealing and can be detached by removing said means of sealing.
- 11. (Original) The electronics-carrying module in accordance with Claim 10, wherein said sealing means comprise an elastomer ring such as rubber ring.
- 12. (Original) The electronics-carrying module in accordance with Claim 10, wherein said sealing means comprise a waterproof sealant.
- 13. (Previously Amended) The electronics-carrying module in accordance with Claim 11, wherein said sealing means further comprise a plurality of securing means selected from the group consisting of screw, clip, band, magnet, suction and adhesive material.

- 14. (Original) The electronics-carrying module in accordance with Claim 1, wherein said inner tube is a cylindrical tube.
- 15. (Original) The electronics-carrying module in accordance with Claim 1, wherein said inner tube is a polygonal tube.
- 16. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry comprises:
- a first circuit board with a connection for connecting said wrap-around circuitry to said cable through said opening; and means for securing said first circuit board to said inner tube.
 - 17. (Original) The electronics-carrying module in accordance with Claim 16, wherein said wrap-around circuitry further comprises a second circuit board joined to said first circuit board by a connection means.
 - 18. (Original) The electronics-carrying module in accordance with Claim 17, wherein said wrap-around circuitry further comprises a plurality of other circuit boards joined one to another to said first circuit board by said connection means.
 - 19. (Original) The electronics-carrying module in accordance with Claim 18, wherein said connection means comprise a bendable conductor selected from the

group consisting of a bunch of wires in a ribbon cable and a flexible printed circuit board.

- 20. (Original) The electronics-carrying module in accordance with Claim 18, wherein said connection means comprise a fixed connector such as a pin-socket.
- 21. (Original) The electronics-carrying module in accordance with Claim 16, wherein said first circuit board is a rigid circuit board.
- 22. (Original) The electronics-carrying module in accordance with Claim 16, wherein said first circuit board is a flexible circuit board.
- 23. (Original) The electronics-carrying module in accordance with Claim 17, wherein said second circuit board is a rigid circuit board
- 24. (Original) The electronics-carrying module in accordance with Claim 17, wherein said second circuit board is a flexible circuit board.
- 25. (Original) The electronics-carrying module in accordance with Claim 18, wherein said plurality of other circuit boards are rigid circuit boards.
- 26. (Original) The electronics-carrying module in accordance with Claim 18, wherein said plurality of other circuit boards are flexible circuit boards.

- 27. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes amplifying circuitry.
- 28. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes a data acquisition unit.
- 29. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes an analog-to-digital converter.
- 30. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes a multiplexing circuitry.
- 31. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes a data transmission unit.
- 32. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes active control circuitry.
- 33. (Original) The electronics-carrying module in accordance with Claim 1, wherein said wrap-around circuitry includes power supply circuitry.

- 34. (Original) The electronics-carrying module in accordance with Claim 1, wherein said section of said seismic data acquisition cable comprises:
 - a portion of said cable; and
- an outermost protective layer around said portion of said cable for protecting said cable from the outside environment.
 - 35. (Original) The electronics-carrying module in accordance with Claim 34, wherein said rigid end-fitting is connected to said section of said seismic data acquisition cable by clamping said outermost protective layer to said rigid end-fitting.
 - 36. (Original) The electronics-carrying module in accordance with Claim 34, wherein said section of said seismic data acquisition cable further comprises a buoyant segment formed to fill the void underneath said outermost protective layer for providing a desired buoyancy level.
 - 37. (Original) The electronics-carrying module in accordance with Claim 34, wherein said section of said seismic data acquisition cable further comprises a layer of strength reinforcing member above said outermost protective layer, such as corrosion-resistant steel wire ropes.
 - 38. (Original) The electronics-carrying module in accordance with Claim 36, wherein said buoyant segment includes a liquid material such as hydrocarbon fluid.

- 39. (Original) The electronics-carrying module in accordance with Claim 36, wherein said buoyant segment includes a solid material such as polyurethane composite.
- 40. (Original) The electronics-carrying module in accordance with Claim 36, wherein said buoyant segment includes a gel-type material.
- 41. (Currently Amended) An electronics-carrying module including:

a carrier defining a space for housing of electronics;

selectively removable access means engagable with said carrier so as to provide access to said space;

a pair of end-fittings spaced apart axially by said carrier for connection of said module to a section of a cable;

said cable having an axially extending strength member;

a hole disposed along said module between said end-fittings, said hole being sized so as to accommodate threading of said cable through said module such that said strength member extends axially through said module;

an inner tube enclosing a major portion of said hole and having at least one opening thereon for connecting said electronics to said cable, <u>said space being</u> intermediate said inner tube, said access means and said end fittings; and

said access means being operable to provide access to said space without decoupling or removing the module from the cable.

42. (Original) An electronics-carrying module according to claim 41 wherein said carrier has a substantially cylindrical outer shell.

- 43. (Currently Amended) An electronics-carrying module according to claim 42 wherein said eurved space is disposed intermediate said hole and said outer shell.
- 44. (Previously Amended) An electronics-carrying module according to claim 41 wherein said electronics is wrap-around circuitry.
- 45. (Previously Amended) An electronics-carrying module according to claim 41 wherein said access means is operable to provide access to said space without decoupling of the streamer at a termination point.

46. (Cancelled)